

Population Growth and the Impact on Service Demand

Solid Waste Management Department

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SOLID WASTE MANAGEMENT
DEPARTMENT

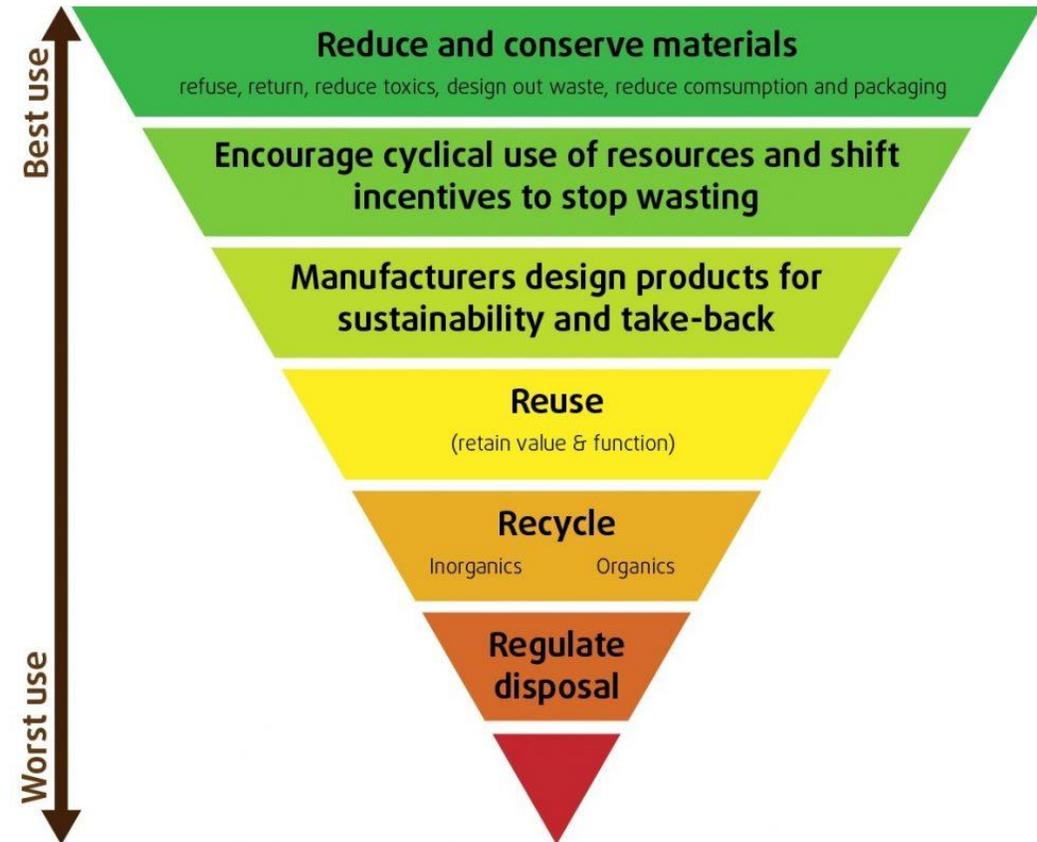


Overview of Briefing

- Long Range Planning
- City Growth
 - Housing
 - Commercial
 - Disaster Recovery
- Service Delivery
 - Route Growth
 - Service Issues
- Disaster Response

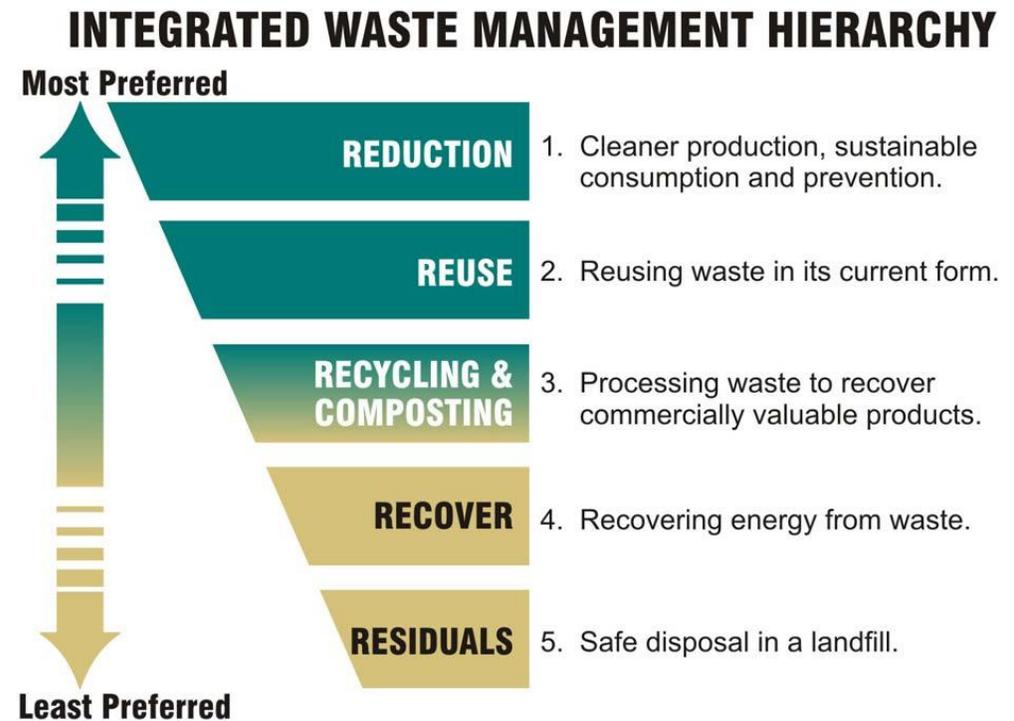
History of Solid Waste Planning

- 1990: Mayor Kathy Whitmire commissioned the Citizens Advisory Committee on Solid Waste Disposal Solutions. The City also contracted with HDR and Epsilon Engineering to guide the committee and write the report/plan.
- 2005: Mayor Bill White commissioned the Solid Waste Task Force to review Houston's solid waste management programs and services. The study was led by Controller Annise Parker and Sanifill CEO Lorne Bain.
- 2016: Mayor Sylvester Turner authorized procuring services for a comprehensive Long Range (or Zero Waste) Plan to guide the city's decisions for the next several years. The RFQ was issued in 2017 for firm(s) with experience in developing long range solid waste management plans for cities comparable in size and scope to Houston.
 - Selection process has been completed.
 - Recommendation to award contract to AZB Joint Venture routing to City Council for Approval this month.



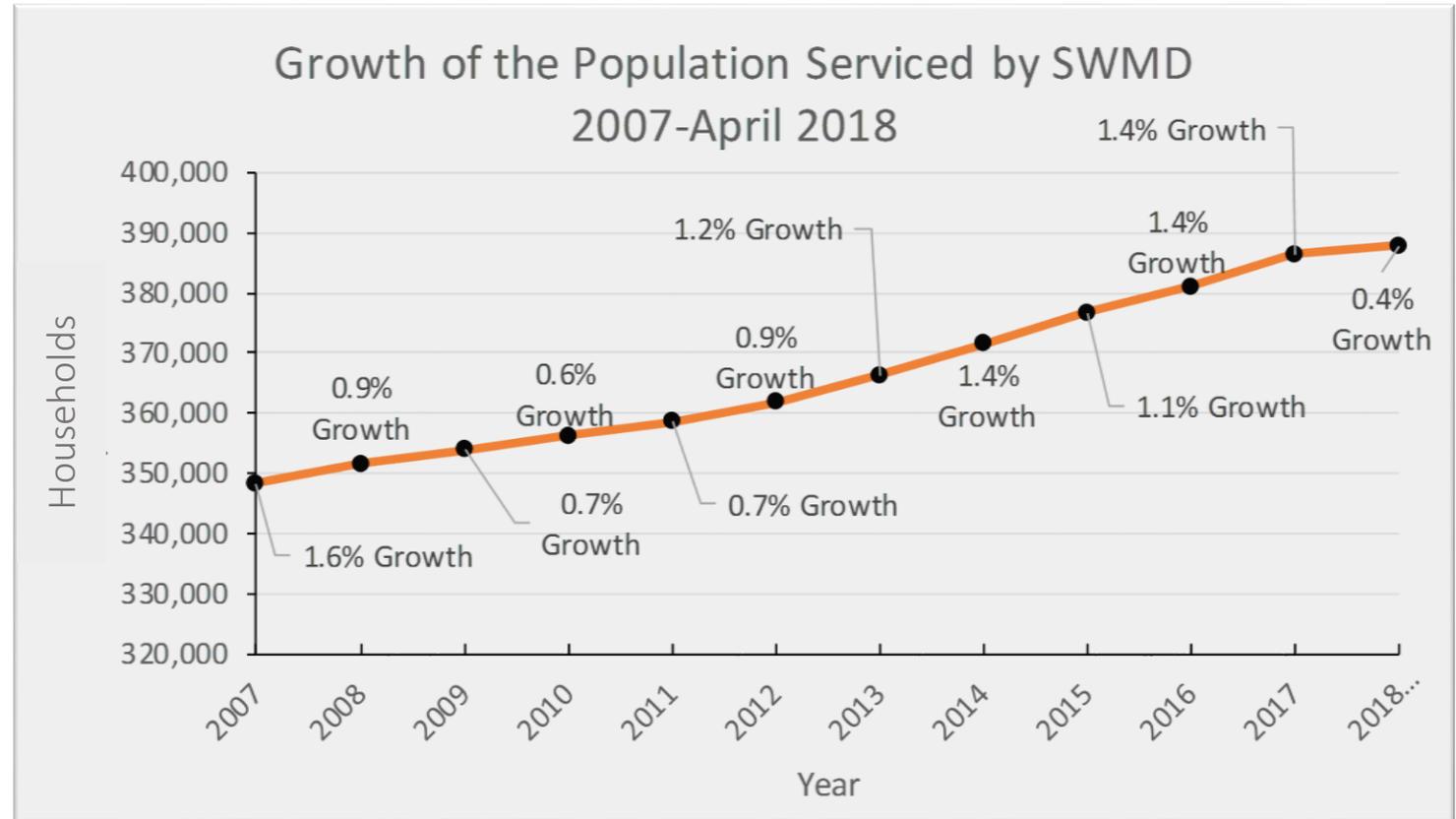
The Long Range Plan Goals

- The City requires a comprehensive and integrated plan that considers and addresses all components of an integrated solid waste system:
 - Looks out 20 years
 - What services should the city provide?
 - How to sustainably fund needed services and programs
 - How best to manage various waste streams (residential, multi-family, commercial, construction, organics)



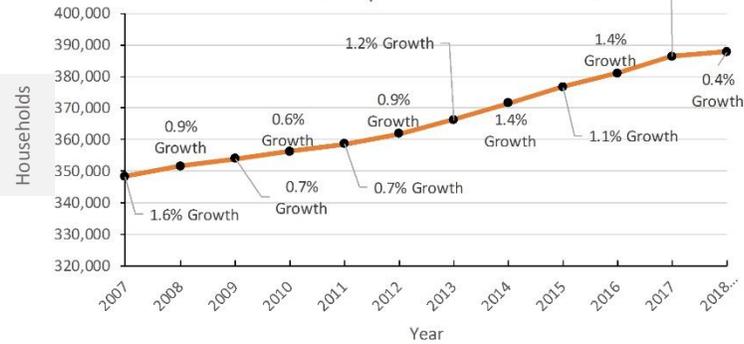
Houston's Steady Growth

- From 2007 to April 2018, the households serviced by the Department increased approximately 11.6%
- The majority of that increase has occurred inside the IH-610 Loop



*2018 growth percentage is only YTD and conservative

Growth of the Population Served by SWMD
2007-April 2018



Single Family Residential Growth: Changes in the Population Served by the Solid Waste Management Department - 2007 to Present

Summary:

- From 2007 to April 2018, households serviced by the Department increased approximately 11.6%.
- The majority of the increase has occurred inside the IH-610 Loop.
- The highest percentage growth occurred in 2014. The lowest percentage growth occurred in 2010.



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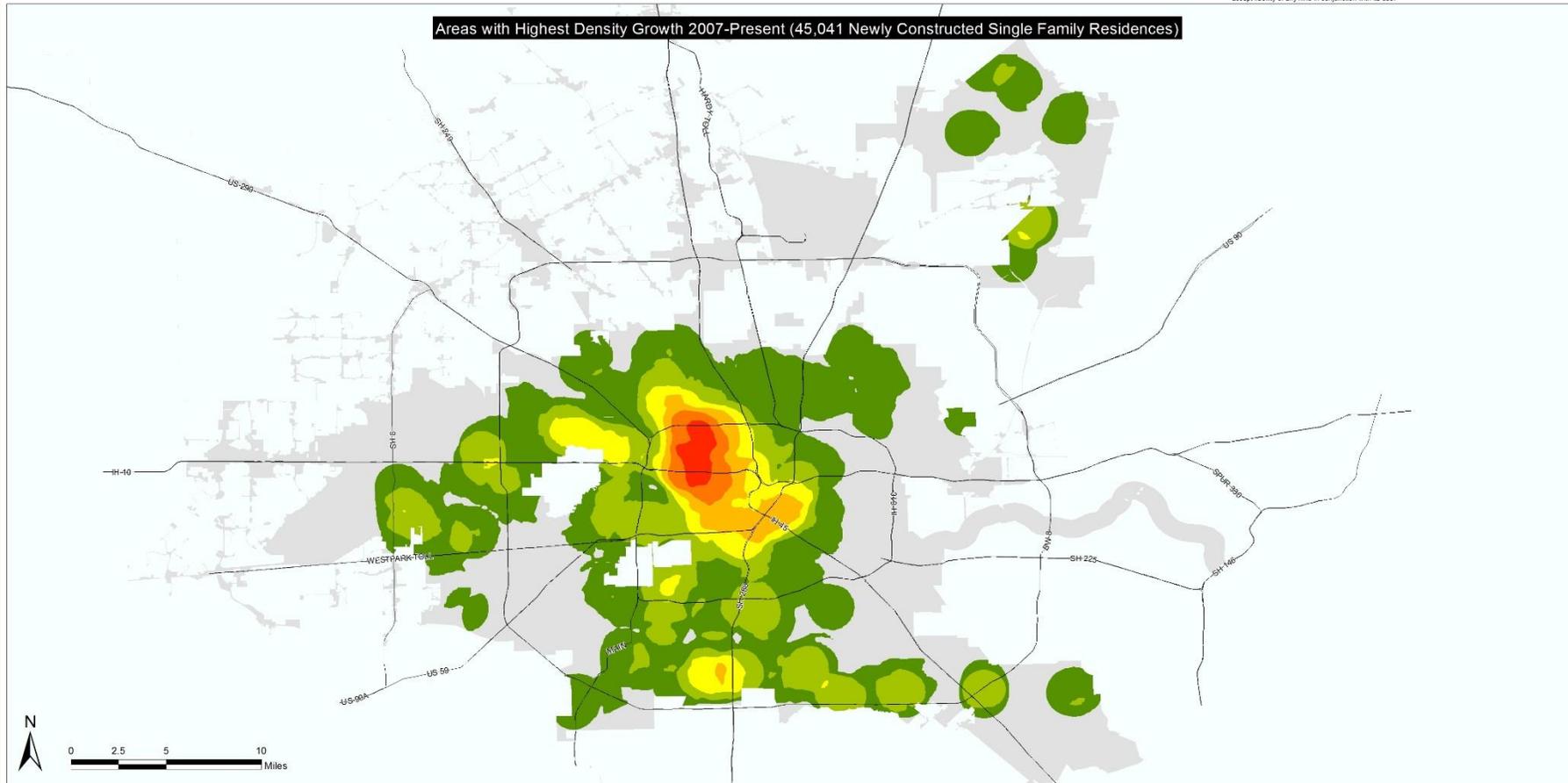


Legend

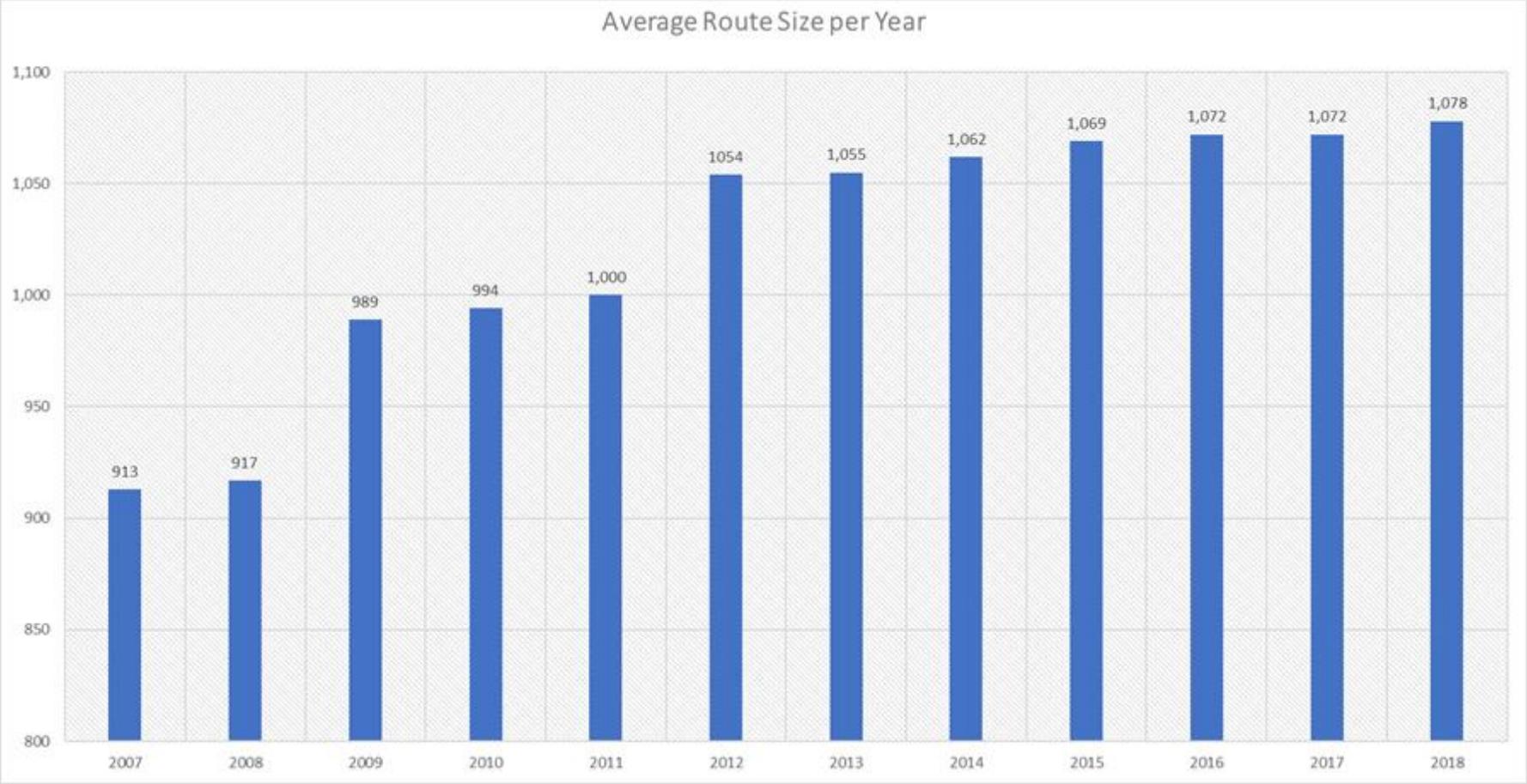
- Single Family Residential Growth (45,041 Newly Constructed Single Family Residences)
 - Fewest New Developments
 - (Light Green)
 - (Yellow)
 - (Orange)
 - Most New Developments
- Council Districts

Created by Clumich, 6/4/2018
The Solid Waste Management Department (SWMD) data viewed here is prepared and made available for general reference purposes only and should not be used, or relied upon for specific applications, without independent verification. The SWMD neither represents, nor warrants the data accuracy or completeness, nor will the SWMD accept liability of any kind in conjunction with its use.

Areas with Highest Density Growth 2007-Present (45,041 Newly Constructed Single Family Residences)



Number of Homes per SWMD Garbage Route



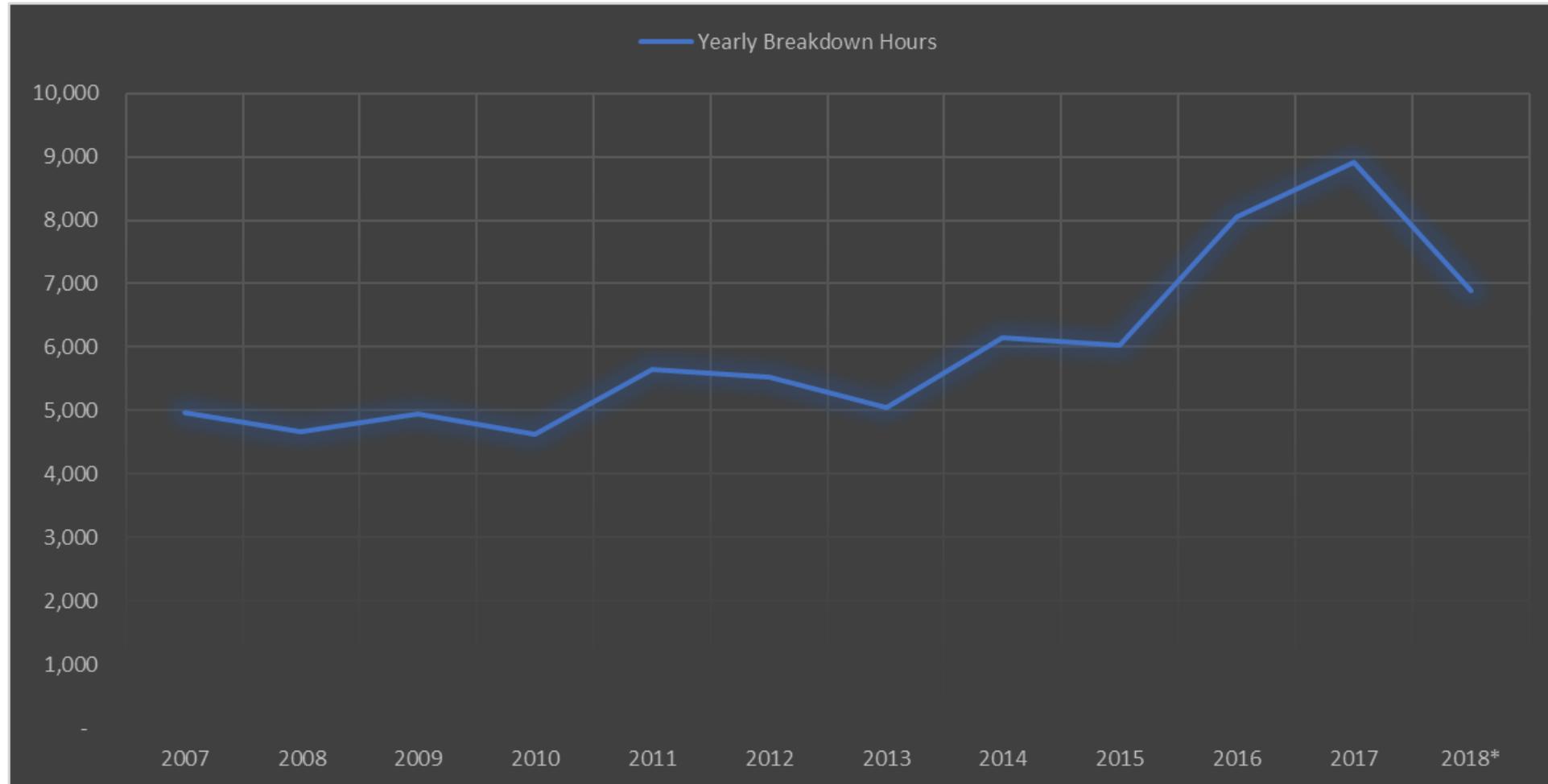
Frontline Routes for SWMD Service Centers by Program Type

Weekly Routes	Automation	Recycling	Yard Waste	Junk/Tree Waste
Northeast	20	9	5	14
Northwest	24	10	8	0
Southeast	23	10	5	7
Southwest	22	10	7	6
Total	89	39	25	27

**Routes programed for 10 hour work days.*

**Route performance impacted by equipment age and personnel staffing.*

SWMD Breakdown Hours 2007-2018



Disaster Response 2007 - Present

- 2008 Hurricane Ike (Declared)
- 2011-2012 Drought
- 2015 Memorial Day Flood (Declared)
- 2015 Halloween Flood
- 2016 Tax Day Flood (Declared)
- 2016 Memorial Day Flood
- 2017 Hurricane Harvey (ongoing)



Major Considerations

- Current administration moving forward with proposal for updated Long Range Plan.
- Equipment and staffing should keep up with service area growth.
- Houston's competitive posture is dependent on its ability to provide quality and expanding services.

